

HF Happenings 982

Research on Ancient Massive Solar Storms Suggests a Need to Prepare for the Next Ones

Numerous powerful X-class solar flares occurred last autumn as Solar Cycle 25 activity picked up. Jon Jones, N0JK covered the event in his QST column, "The World Above 50 MHz," in the February issue and he pointed out, "More powerful flares than these have taken place, such as the Carrington Event of 1859, during which aurora was seen in the South Pacific and in Cuba and it sparked electrical fires."

Similar events took place in the 20th century, but, as Jones notes, scientists are researching spectacular solar storms that took place as early as 7176 BC and in 5259 BC. The huge solar flare some 9 200 years ago has convinced researchers that we are not ready for the next one and our modern technology would take a major hit. "Also worrisome is that Earth may have narrowly dodged a 'Carrington-level event' in 2012," Jones said. Daniel Baker of the University of Colorado, speaking at a NOAA Space Weather Workshop, said, "If it had hit, we would still be picking up the pieces."

Jones said his reading has led him to conclude that these solar superstorms occur more frequently than people think. "As more ice cores and tree rings are sampled, scientists are finding there have been more of these [major solar storms]," he said.

In his February column, Jones cited a 2013 Royal Academy of Engineering report that discussed the risks of a Carrington-level event <https://www.raeng.org.uk/publications/reports/space-weather-summary-report>.

"An extreme space weather event, or solar superstorm, is one of a number of potentially high-impact, but low-probability natural hazards," said Paul Cannon, a Royal Academy of Engineering fellow



February

- 9 - International Pizza Day
- 11 - Closing date for AWA logs
- 12 - Closing date for SARL VHF/UHF FM contest logs
- 13 - World Radio Day; closing date for the PEARS National VHF/UHF contest logs
- 14 - Valetine's Day
- 16 - International Pancake Day
- 19 - the SARL Saturday 40 m Club Contest; the West Rand Flea Market
- 19 and 20 - the ARRL International DX CW Contest
- 21 - Armed Forces Day
- 23 - Sandton ARC Talking Tech Power Hour on 145,700/Echolink @ 19:00
- 19 - The SARL Saturday 40 m Club Contest
- 24 - Closing date for Club contest logs
- 27 - International Milk Tart Day; the Sandton ARC Fox hunt

and chair of the study working group that developed the report. "Extreme space weather [can have] impacts on engineered systems and infrastructure."

Cannon said the hazard and risks of extreme space weather on the electricity grid, satellites, and air passenger safety had not previously been critically assessed. His group's report attempts to address that omission.

The *Live Science* article, "Ancient solar storm smashed Earth at the wrong part of the sun's cycle and scientists are concerned," cites a study, "Cosmogenic radionuclides reveal an extreme solar particle storm near a solar minimum 9125 years BP" <https://rdcu.be/cF8py>. Study co-author Raimund Muscheler, a geology researcher at Lund University in Sweden, said, "These enormous storms are currently not sufficiently included in risk assessments. It is of the utmost importance to analyse what these events could mean for today's technology and how we can protect ourselves."

"A Carrington Event taking place today could destroy orbiting satellites, disrupt GPS, and damage undersea cables and internet infrastructure on the ground," Jones said in his *QST* column." An event in 775 AD was believed to have been 100 times stronger than the Carrington Event."

DXCC's Most Wanted (ClubLog)

The "DXCC Most Wanted" entities list has been updated on ClubLog as of 3 February. There have been some changes in the "Top 26" since we last reported back on 3 January. Most of the DXCC entities between 19th and 26th places have moved up one, except SV/A Mount Athos which has dropped from 19th to 30th. Also, FK/C Chesterfield Island has moved from 24th to 22nd. EZ Turkmenistan did not move and remained the same at 23rd. New to the list is VK0H Heard Island at 26th. The complete "DXCC Most Wanted" entities list (340) is available at <https://secure.clublog.org/mostwanted.php>. The following are the top 26 entities:

The World			Africa		
1.	P5	DPRK (North Korea)	1.	P5	DPRK (North Korea)
2.	3Y/B	Bouvet Island	2.	CE0X	San Felix Islands
3.	FT5/W	Crozet Island	3.	BV9P	Pratas Island
4.	BS7H	Scarborough Reef	4.	KH3	Johnston Island
5.	CE0X	San Felix Islands	5.	VK0M	Macquarie Island
6.	BV9P	Pratas Island	6.	3Y/B	Bouvet Island
7.	KH7K	Kure Island	7.	BS7H	Scarborough Reef
8.	KH3	Johnston Island	8.	KH7K	Kure Island
9.	3Y/P	Peter 1 Island	9.	FT5/W	Crozet Island
10.	FT5/X	Kerguelen Island	10.	KH1	Baker Howland Islands
11.	FT/G	Glorioso Island	11.	YV0	Aves Island
12.	VK0M	Macquarie Island	12.	KP5	Desecheo Island
13.	YV0	Aves Island	13.	3Y/P	Peter 1 Island
14.	KH4	Midway Island	14.	FK/C	Chesterfield Island
15.	ZS8	Prince Edward and Marion Is	15.	KH4	Midway Island
16.	PY0S	Saint Peter and Paul Rocks	16.	JD/M	Minami Torishima
17.	PY0T	Trindade and Martim Vaz Islands	17.	ZL9	New Zealand Subantarctic Is
18.	KP5	Desecheo Island	18.	T31	Central Kiribati
19.	VP8S	South Sandwich Islands	19.	KH5	Palmyra & Jarvis Islands
20.	KH5	Palmyra and Jarvis Islands	20.	TI9	Cocos Island
21.	ZL9	New Zealand Subantarctic Is	21.	ZL8	Kermadec Island
22.	FK/C	Chesterfield Island	22.	3D2/C	Conway Reef
23.	EZ	Turkmenistan	23.	H40	Temotu Province
24.	YK	Syria	24.	FT/G	Glorioso Island
25.	JD/M	Minami Torishima	25.	KH8/S	Swains Island
26.	VK0H	Heard Island	26.	VK9M	Mellish Reef

The QRP Contest

The West Rand ARC has informed me that they had problems with the info@zs6wr.co.za address. So, if you submitted a log, but your name does not appear in the results (HF Happenings 981), please submit your log again.

FINAL Results of the SARL Wednesday 80 m Club Contest

Thirty-seven logs were received for the SARL Wednesday 80 m Club Sprint held on 19 January. Yes, Murphy was busy, one log got lost on the internet! That is why the results were provisional last week. I also noted that many stations operated around 3640,000 to 3737,000 MHz! 😊

1st the West Rand ARC – 525 points
2nd the Bloemfontein ARC – 345 points
3rd the Northern Cape ARC – 223 points
4th the Hibiscus Coast ARC – 157 points
5th the Bo-Karoo ARC – 154 points
6th the Pretoria ARC – 138 points
7th the Boland ARC – 116 points
8th PEARS – 99 points
9th SARL – 84 points
10th the Sandton ARC – 68 points
11th KARTS – 64 points
12th the Sasolburg ARC – 55 points

1st Michael, ZS4BHF - 135 points
2nd Jan, ZS4JAN - 118 points
3rd Gerhard, ZS3TG - 115 points
4th Chris, ZS6CPA and Hans, ZS6KR - 109 points
6th Romeo, ZS6ARQ - 99 points
7th Phillip, ZS6PVT - 97 points
8th Andre, ZS4AW - 92 points
9th Dennis, ZS4BS - 84 points
10th Jadranko, ZS6DJA - 80 points
11th Errol, ZS6EH - 64 points
12th Sybrand, ZS1SJ - 63 points

13th Gert, ZR6GRT - 57 points
14th Dylan, ZS2MAC - 56 points
15th Gideon, ZS4GJA - 55 points
16th Heather, ZS5YH - 47 points
17th Sid, ZS5H - 46 points
18th Woody, ZS3WL - 45 points
19th Gert, ZS2GS - 43 points
20th Johan, ZS6JBZ - 42 points
21st Keith, ZS6HI - 41 points
22nd Colin, ZS6CPH - 40 points
23rd Maryke, ZS3MN and Piet, ZS3PN - 39 points
25th Terry, ZS5MC - 35 points
26th Joseph, ZS6JOE - 33 points
27th Veronica, ZR6TVK – 31 points
28th Emil, ZS1XB, Gawie, ZS5R and Pierre, ZS6PJH - 29 points
31st Mathew, ZS6MDV - 27 points
32nd Marius, ZS1ML - 24 points
33rd Anthony, ZS6ANT - 20 points
34th Esme, ZS3EW and Roy, ZS3RW – 15 points
36th Nic, ZR6AEZ (SK) - 14 points
37th Roger, ZS6YX – 12 points

The SARL Saturday 40 m Club Contest on the air on Saturday 19 February, just after the West Rand Flea Market!

The RSGB Commonwealth Contest in March

The Commonwealth Contest is one of the longest-running contests in the HF contesting world. It promotes contacts between stations in the United Kingdom of Great Britain and Northern Ireland, the Crown Dependencies which are the Isle of Man and the Bailiwicks of Guernsey and Jersey, Commonwealth and Mandated Territories. Click here <https://berucontest.wordpress.com/> for background information.

The contest runs from 10:00 UTC on Saturday 12 March to 10:00 UTC on Sunday 13 March 2022 with CW only on 80, 40, 20, 15 and 10 metres. Only stations operating from areas in the RSGB Commonwealth Call Area list may participate in this contest.

Commonwealth Society Headquarters Stations, representing some Commonwealth Call Areas, will be active during the contest and will identify by sending 'HQ' after their serial number. Other HQ stations may be active to celebrate or commemorate events of significance to the

Commonwealth. Each HQ station counts as an additional call area, and entrants may contact any HQ station (including any in their own call area) for points and bonuses.

Team Competition. A Team consists of up to five stations. In addition to Australia, Canada, Great Britain, New Zealand and Rest of the Commonwealth teams, any Commonwealth country or geographical region may enter one or more teams.

The exchange is a RST report plus a serial number starting at 1. HQ stations additionally send 'HQ' which must be logged. Get all the details at <https://www.rsgbcc.org/hf/rules/2022/rcwc.shtml>.

DX from Africa

For the All Africa Award Challenge



Uganda, 5X. Alan, G3X AQ, will be active as 5X1XA from Kampala, Uganda, between 7 and 14 March. Activity will be on CW only on 80 to 10 metres (excluding 60 m). The primary purpose of the trip is to be an entry in the RSGBC Commonwealth (BERU) Contest on 12 and 13 March with some holiday style operating outside of the contest. Direct only QSLs will be available via G3SWH, preferably via OQRS via his Web site (www.g3swh.org.uk) or via ordinary air mail. No bureau cards. LoTW and the online log search will be updated once Alan returns home.

Senegal, 6W. Willy, ON4AVT, will be active as 6W7/ON4AVT from Warang between 6 February and 10 April. Activity will be on 80 to 10 metres using SSB and the Digital modes, with an IC-7100 into End-Fed wire or Double Zepp antennas. There will also be QO-100 satellite operations. QSL via ClubLog's OQRS.

Malawi, 7Q. Several reports indicate that Don, K6ZO, will once again be active as 7Q6M (as time and power allows) starting 15 February from the Embangweni Mission Hospital at the Loudon Station in Malawi as a Mission worker. Length of his activity is unknown at this time. Activity will include the ARRL DX CW Contest on 19 and 20 February, the CQ WW 160 m SSB Contest on 25 to 27 February and the ARRL DX SSB Contest on 5 and 6 March. QSL 7Q6M via K6ZO.

The Gambia, C5. Don, G3XTT, will once again be active as C56DF from The Gambia between 9 and 18 March. He is there for the 85th Commonwealth Contest (BERU) on 12 and 13 March. Look for operation before and maybe after the contest. Activity will be on various bands, probably all CW like last time using low power (IC-7300 and wires) from a rooftop apartment. He will, of course, upload logs to LoTW and ClubLog, but possibly only after his return to the UK. QSL direct to Don's home call sign or via ClubLog's OQRS.

Côte d'Ivoire, TU. Petr/OK1BOA, Petr/OK1FCJ and David/OK6DJ will once again be active as TU5PCT from the Radio Club ADRASEC RCI in Abidjan, Côte d'Ivoire (Ivory Coast), between 7 and 12 February with limited building up on 5 and 6 February and dismantling on 13 February. Activity will be on 160 - 6 metres using CW, SSB, RTTY and other digital modes. QSL via OK6DJ, ClubLog's OQRS or LoTW. For more details and updates, see <https://www.cdxp.cz>

Zimbabwe, Z21/Z22. Tom, DJ6TF and Tom, DL7BO will be active as Z21A and Z22O, respectively, from Harare, Zimbabwe, until 20 February. Activity will be on 160 - 10 metres using CW, SSB and digital. Their equipment are two Icom IC-7300 transceivers and 1 kw amplifier using 18 m GP for low bands. QSL both call signs via DJ6TF, for Ukraine stations via UY5ZZ or LoTW.

South Sudan, Z8. Diya, YI1DZ, is once again active as Z81D and he is there working (under the UN-WFP). Activity will be on 80 - 10 metres (including 60 m) using SSB and digital. No CW. If the space conditions allow it, Diya will make a 160 m antenna. Most of his operations this past week have been on 40 and 15 metres digital between 20:00 – 21:30 UTC and 10 metres digital between 09:45 – 13:30 UTC. QSL via OM3JW. All QSOs will be uploaded to QRZ.com, ClubLog, eQSL and LoTW.

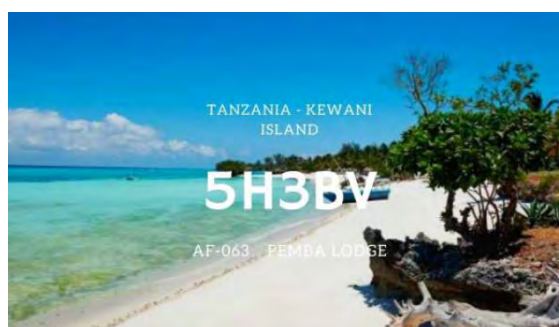
South Africa, ZS1. Gan, KY8D, says that he will be active as ZS1/KY8D from South Africa as of 5 February for about the next three weeks. However, this is NOT a DXpedition. He states, "A regular vacation instead. Visiting Simon's Town and surrounding area so as to fulfil my lovely wife's life-long dream of seeing a Great White Shark in the wild. Plus, there will be penguins and plenty of other attractions." When active, his activity will be on CW at 45 Watts on the 30 m band for an hour or so mostly during local evenings. His rig is a QRP Labs Model QCX+ with Class D Amp (Power: 5 W barefoot, 45 W with amp) into a dipole and GP vertical. QSL via his home call sign direct (see QRZ.com for details). He states, "Never do I eQSL. I do get around to LoTW uploads eventually."

African Islands

Mauritius, 3B8. Slavo, SP2JMB, and his XYL Dorota, SP2TO will once again be active as 3B8GY from Mauritius between 5 and 25 February. Their last activity was in 2011. Operations will be on various HF bands and modes - CW, SSB and RTTY. QSL via SP2JMB direct or ClubLog's QQRS, Log online at <http://sp2jmb.pl/>.

Rodrigues Island, 3B9. QSL Manager Charles, M0OXO, (<https://www.m0oxo.com/>) reported on 5 February that 'Rocky' Robert, 3B9FR, the only resident amateur on Rodrigues Island will be off air now for around 10 days. His current antenna (G3TXQ Hexbeam from MW0JZE) has been taken down in preparation for installation of his new Quad which should be up in the coming days. A new QSL card will be designed and printed when the new additions are made to his station.

Tanzania, 5H. Borut, S53BV, will be active as 5H3BV from the Pemba Eco Lodge, Pemba Island (AF-063, Kiweni Island) between 10 and 24 February. He mentions [edited], "This is not a DXpedition, but a DX vacation so please be patient if you want to add Kiweni Island - Pemba to your list of countries." Activity will be on 40 and 15 metres using CW and SSB, with simple equipment, SDR radio with 20 watts output and dipole antennas hanging from the palms, close to the nice sandy beach. All QSOs will be confirmed by direct mail QSL card, upon E-mail request and once he returns home.



Cape Verde, D4. Rob, DM4AO says, "If everything works out as planned, I will be active as D44AO starting next weekend." He will be active as D44AO from Ilha de Santiago, Cape Verde (AF-005, WW Loc. HK84EV, WLOTA 0158), between 13 and 25 February. Rob stated on Friday, "I am in self-isolation for two weeks now, but that Omicron thing is crazy! The only thing between us and Cape Verde is a negative PCR test to be taken on Wednesday which is mandatory for flight check-in. Right now, Germany is running short of PCR tests and quick lab capacities... Keep your fingers crossed..." Activity will be holiday style on 80 - 10 metres (possibly 160 m), using mainly CW with a Elecraft K2 with 100 watts into verticals (Butternut HF9V). No digital! He plans to be in the ARRL International DX CW Contest on 19 and 20 February as a Single-Op/All-Band/Low-Power entry. QSL via his home call sign, by the Bureau or direct. See QRZ.com for details. WLOTA = World Lighthouses on the Air.

Comoros, D6. Members of the F6KOP Radio Club who were planning to activate Comoros Islands (AF-007) sometime between mid-to-end January in 2022 have postponed their operation due to the current Covid situation. However, on 25 January they reported that their "requested call sign became D60AE, and the project goes on." Reports indicated this past week that the team is looking toward October 2022. Stay tuned. Look for more details to be forthcoming. A Web page is available at <https://comores2022.wordpress.com>

Seychelles, S7. Amir, 4X6TT, announced on February 5th, on his Facebook page that as of 6 February he will be active as S79/4X6TT from Seychelles. The length of his stay was not mentioned. Activity will be on all bands (did not mention modes). QSL Manager N4GNR.

Contest Calendar

This week's contests as compiled by Bruce Horn, WA7BNM. The period covered is 7 to 14 February 2022.

Classic Exchange, CW

14:00 UTC 6 February to 08:00 UTC 7 February
and 14:00 UTC 8 February to 08:00 UTC 9 February

Geographic Focus: Worldwide

Participation: Worldwide

Mode: CW

Bands: 160, 80, 40, 20, 15, 10, 6, 2 m

Classes: (see rules)

Exchange: Name, RST, state, province or country and rcvr/xmtr manuf/model

Work stations: Once per band per mode per rcv/xmtr manuf/model

QSO Points: (see rules)

Multipliers: (see rules)

Score Calculation: Total score = sum (total mode QSO points x total mode mults) and Bonus Points

Submit logs by: 28 February 2022

E-mail logs to: k2rp@arrl.net

Mail logs to: K2RP, 659 Shanas Lane, Encinitas, CA 92024, USA

Find rules at: <http://www.classicexchange.org/>



K1USN Slow Speed Test

00:00 - 01:00 UTC 7 February

Geographic Focus: Worldwide

Participation: Worldwide

Mode: CW

Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single Op - QRP, low or high

Max power: HP: >100 watts; LP: 100 watts;

QRP: 5 watts

Exchange: Maximum 20 wpm - Name and state, province or country

Work stations: Once per band

QSO Points: 1 point per QSO

Multipliers: Each state, province or country once per band; W/VE do not count as country mults

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 23:59 UTC 9 February 2022

Post log summary at:

<http://www.3830scores.com>

Mail logs to: (none)

Find rules at: <http://www.k1usn.com/sst.html>

OK1WC Memorial (MWC)

16:30 - 17:29 UTC 7 February

Geographic Focus: Worldwide

Participation: Worldwide

Mode: CW

Bands: 80, 40 m

Classes: Single Op All Band - QRP or low; Single Op Single Band - QRP or low

Max power: LP: 100 watts; QRP: 5 watts

Exchange: RST and serial no

Work stations: Once per band

QSO Points: 1 point per QSO

Multipliers: Each last character of worked station call suffix once per band

Score Calculation: Total score = total QSO points x total mults
 Submit logs by: 06:00 UTC 11 February 2022
 E-mail logs to: (none)
 Upload log at: <https://memorial-ok1wc.cz/index.php?page=logs>
 Mail logs to: (none)
 Find rules at: <https://memorial-ok1wc.cz/index.php?page=rules2l>

RSGB 80 m SSB Club Championship
 20:00 - 21:30 UTC 7 February
 Geographic Focus: United Kingdom
 Participation: Worldwide
 Awards: United Kingdom
 Mode: SSB
 Bands: 80 m Only
 Classes: (none)
 Exchange: RS and serial no
 QSO Points: 1 point per QSO
 Multipliers: (none)
 Score Calculation: (see rules)
 Submit logs by: 23:59 UTC 8 February 2022
 Upload log at: <http://www.rsgbcc.org/cgi-bin/hfenter.pl>
 Mail logs to: (none)
 Find rules at: <https://www.rsgbcc.org/hf/rules/2022/r80mcc.shtml>

Worldwide Sideband Activity Contest
 01:00 - 01:59 UTC 8 February
 Geographic Focus: Worldwide
 Participation: Worldwide
 Mode: SSB
 Bands: 160, 80, 40, 20, 15, 10, 6 m
 Classes: Single Op - QRP, low or high - Overlay: Youth (26 years old or younger); Youth YL (female 26 years old or younger); YL (female older than 26 years)
 Max power: HP: 1 500 watts; LP: 100 watts; QRP: 5 watts
 Exchange: RS and age group (OM, YL, Youth YL or Youth)
 Work stations: Once per band
 QSO Points: 1 point per QSO with OM; 5 points per QSO with YL; 10 points per QSO with Youth; 15 points per QSO with Youth YL
 Multipliers: Each DXCC once per band
 Score Calculation: Total score = total QSO points x total mults

Submit logs by: 01:59 UTC 9 February 2022
 E-mail logs to: (none)
 Upload log at: <https://logs.wwsac.com/>
 Mail logs to: (none)
 Find rules at: <https://wwsac.com/rules.html>

ARS Spartan Sprint
 02:00 - 04:00 UTC 8 February
 Geographic Focus: North America
 Participation: Worldwide
 Mode: CW
 Bands: 80, 40, 20, 15, 10 m
 Classes: Skinny; Tubby
 Max power: 5 watts
 Exchange: RST, state, province or country and power
 Work stations: Once per band
 Submit logs by: 10 February 2022
 E-mail logs to: spartansprint@yahoo.com
 Mail logs to: (none)
 Find rules at: <http://arsgrp.blogspot.com/2009/02/so-whats-spartan-sprint-and-how-do-i.html>



RTTYOPS Week Sprint
 17:00 - 19:00 UTC 8 February
 Geographic Focus: Worldwide
 Participation: Worldwide
 Mode: RTTY
 Bands: 80, 40 and 20 m
 Classes: Single Op
 Max operating hours: 2 hours
 Exchange: other station's call, your call, serial no and your name
 Work stations: Once per band
 QSO Points: 1 point per QSO
 Multipliers: (none)
 Score Calculation: Total score = total QSO points
 Submit logs by: 23:59 UTC 15 February 2022
 E-mail logs to: rtty-week-tuesday@rttyops.com
 Mail logs to: (none)

Find rules at: <http://rttyops.com/>

NAQCC CW Sprint

01:30 - 03:30 UTC 9 February

Geographic Focus: Worldwide

Participation: Worldwide

Mode: CW

Bands: 80, 40, 20 m

Classes: (none)

Max power: 5 watts

Exchange: RST, state, province or country and NAQCC no or power

Work stations: Once per band

QSO Points: 1 point per QSO with non-member; 2 points per QSO with member

Multipliers: Each state, province, or country once; Key Type Mult: 2 x if straight key, 1.5 x if bug, 1 x if other

Score Calculation: Total score = total QSO points x total mults x key type mult

Submit logs by: 23:59 UTC 12 February 2022

E-mail logs to: naqcc33@windstream.net

jcoreyc@gmail.com

Upload log at:

http://naqcc.info/sprint_submit_log.html

Mail logs to: (none)

Find rules at:

http://naqcc.info/scoreboard.php?sprint_name=202202



QRP Fox Hunt

02:00 - 03:30 UTC 9 February

Geographic Focus: United States

Participation: Worldwide

Mode: CW

Bands: 40 m Only

Classes: Single Op - fox or hound

Max power: 5 watts

Exchange: RST, state, province or country, name and power output

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 03:30 UTC 10 February 2022

E-mail logs to: (see rules)

Mail logs to: (none)

Find rules at:

http://www.qrpfoxhunt.org/winter_rules.htm

Phone Weekly Test

02:30 - 03:00 UTC 9 February

Geographic Focus: North America

Participation: Worldwide

Mode: SSB

Bands: 160, 80, 40, 20, 15 m

Classes: Single Op

Max power: 100 watts

Exchange: NA: Name and state, province or country; non-NA: Name

Work stations: Once per band

QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station

Multipliers: Each US state (including KH6/KL7) once per band; Each VE province/territory once per band; Each North American country (except W/VE) once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 03:00 UTC 11 February 2022

E-mail logs to: (none)

Post log summary at:

<http://www.3830scores.com>

Mail logs to: (none)

Find rules at:

http://www.perluma.com/Phone_Fray_Content_Rules.pdf

A1Club AWT

12:00 - 13:00 UTC 9 February

Geographic Focus: Worldwide

Participation: Worldwide

Mode: CW

Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single Op - QRP, low or high

Max power: HP: >100 watts; LP: 100 watts;

QRP: 5 watts

Exchange: Member: RST and name

Work stations: Once per band

QSO Points: 1 point per QSO

Multipliers: Each call once

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 14 February 2022

Post log summary at:

<http://www.3830scores.com>

Mail logs to: (none)

Find rules at: <https://a1club.org/contest/awt/>

CWops Test (CWT)

13:00 - 14:00 UTC and 19:00 - 20:00 UTC 9 February and 03:00 - 04:00 UTC and 07:00 - 08:00 UTC 10 February

Geographic Focus: Worldwide

Participation: Worldwide

Awards: Worldwide

Mode: CW

Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single Op - QRP, low or high

Max power: HP: >100 watts; LP: 100 watts;

QRP: 5 watts

Exchange: Member: Name and member no or "CWA"; non-Member: Name and state, province or country

Work stations: Once per band

QSO Points: 1 point per QSO

Multipliers: Each call once

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 08:00 UTC 12 February 2022

Post log summary at:

<http://www.3830scores.com>

Mail logs to: (none)

Find rules at: <https://cwops.org/cwops-tests/>

Mini-Test 40

17:00 - 17:59 UTC 9 February

Geographic Focus: Worldwide

Participation: Worldwide

Mode: CW

Bands: 40 m Only

Classes: Single Op - QRP, low or high

Max power: HP: >100 watts; LP: 100 watts;

QRP: 5 watts

Exchange: RST and serial no

Work stations: Once per 10 minute period

QSO Points: 1 point per QSO

Multipliers: Each call once

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 11 February 2022

Upload log at:

https://ua9qcq.com/en/submit_log.php?lang=en

Mail logs to: (none)

Find rules at: <http://minitest.narod.ru/>

Mini-Test 80

18:00 - 18:59 UTC 9 February

Geographic Focus: Worldwide

Participation: Worldwide

Mode: CW

Bands: 80 m Only

Classes: Single Op - QRP, low or high

Max power: HP: >100 watts; LP: 100 watts;

QRP: 5 watts

Exchange: RST and serial no

Work stations: Once per 10 minute period

QSO Points: 1 point per QSO

Multipliers: Each call once

Score Calculation: Total score = total QSO

points x total mults

Submit logs by: 11 February 2022

Upload log at:

https://ua9qcq.com/en/submit_log.php?lang=en

Mail logs to: (none)

Find rules at: <http://minitest.narod.ru/>



RTTYOPS Week Sprint

17:00 - 19:00 UTC 10 February

Geographic Focus: Worldwide

Participation: Worldwide

Mode: CW

Bands: 80, 40 and 20 m

Classes: Single Op All Band - QRP or low; Single Op Single Band - QRP or low

Max power: LP: 100 watts; QRP: 5 watts

Exchange: RST and serial no

Work stations: Once per band

QSO Points: 1 point per QSO

Multipliers: Each last character of worked station call suffix once per band

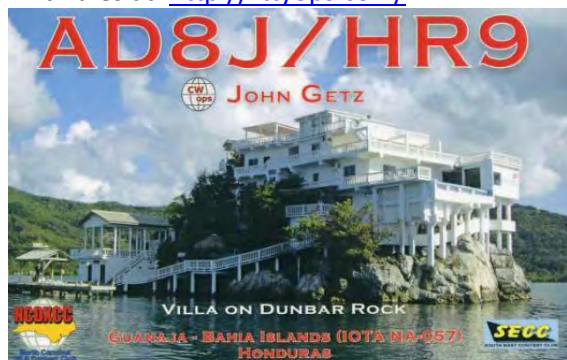
Score Calculation: Total score = total QSO points x total mults

Submit logs by: 23:59 UTC 17 February 2022

E-mail logs to: rtty-week-thursday@rttyops.com

Mail logs to: (none)

Find rules at: <http://rttyops.com/>



EACW Meeting

19:00 - 20:00 UTC 10 February

Geographic Focus: Spain

Participation: Worldwide

Mode: CW

Bands: 80, 40 m

Classes: Single Op

Exchange: EACW Member: RST, member no and nickname; EA non-Member: RST, nickname and EA province; non-EA: RST, nickname and DXCC prefix

Work stations: Once per band

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 23:59 UTC 12 February 2022

E-mail logs to: (none)

Post log summary at:

<https://www.eacwspain.es/subir-puntuacion-meeting/>

Mail logs to: (none)

Find rules at:

<https://www.eacwspain.es/eacwmeeting/>

NCCC RTTY Sprint

01:45 - 02:15 UTC 11 February

Geographic Focus: North America

Participation: Worldwide

Mode: RTTY

Bands: (see rules)

Classes: (none)

Exchange: Serial no, name and QTH

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 13 February 2022

E-mail logs to: (none)

Post log summary at:

<http://www.3830scores.com/>

Mail logs to: (none)

Find rules at:

<https://ncccsprint.com/rttyns.html>

QRP Fox Hunt

02:00 - 03:30 UTC 11 February

Geographic Focus: United States

Participation: Worldwide

Mode: CW

Bands: 80 m Only

Classes: Single Op - fox or hound

Max power: 5 watts

Exchange: RST, state, province or country, name and power output

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 03:30 UTC 12 February 2022

E-mail logs to: (see rules)

Mail logs to: (none)

Find rules at:

http://www.qrpfoxhunt.org/winter_rules.htm

NCCC Sprint Ladder

02:30 - 03:00 UTC 11 February

Geographic Focus: North America

Participation: Worldwide

Mode: CW

Bands: 160, 80, 40, 20, 15 m

Classes: Single Op

Max power: 100 watts

Exchange: Serial no, name and QTH

Work stations: Once per band

QSO Points: NA station: 1 point per QSO; non-

NA station: 1 point per QSO with an NA station

Multipliers: Each US state (including KL7 and

KH6) once per band; Each VE province once

per band; Each North American country

(except W/VE) once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 13 February 2022

E-mail logs to: (none)

Post log summary at:

<http://www.3830scores.com/>

Mail logs to: (none)

Find rules at:

<https://ncccsprint.com/rules.html>

K1USN Slow Speed Test
 20:00 - 21:00 UTC 11 February
 Geographic Focus: Worldwide
 Participation: Worldwide
 Mode: CW
 Bands: 160, 80, 40, 20, 15, 10 m
 Classes: Single Op - QRP, low or high
 Max power: HP: >100 watts; LP: 100 watts;
 QRP: 5 watts
 Exchange: Maximum 20 wpm - Name and
 state, province or country
 Work stations: Once per band
 QSO Points: 1 point per QSO
 Multipliers: Each state, province or country
 once per band; W/VE do not count as country
 mults
 Score Calculation: Total score = total QSO
 points x total mults
 Submit logs by: 23:59 UTC 13 February 2022
 Post log summary at:
<http://www.3830scores.com>
 Mail logs to: (none)
 Find rules at: <http://www.k1usn.com/sst.html>

CQ WW RTTY WPX Contest
 00:00 UTC 12 February to 23:59 UTC 13
 February
 Geographic Focus: Worldwide
 Participation: Worldwide
 Awards: Worldwide
 Mode: RTTY
 Bands: 80, 40, 20, 15, 10 m
 Classes: Single Op All Band - QRP, low or high;
 Single Op Single Band - QRP, low or high; Single
 Op Overlays – Tribander, Rookie, Classic or
 Youth; Multi-One - low or high; Multi-Two;
 Multi-Multi; Multi-Distributed
 Max operating hours: Single Op: 30 hours, off
 times of at least 60 minutes; Multi-Op: 48
 hours
 Max power: HP: 1 500 watts; LP: 100 watts;
 QRP: 5 watts
 Exchange: RST and serial no
 Work stations: Once per band
 QSO Points: 1 point per QSO with same
 country on 20/15/10 m; 2 points per QSO with
 same country on 80/40 m; 2 points per QSO
 with different countries on same continent on
 20/15/10 m; 4 points per QSO with different
 countries on same continent on 80/40 m; 3

points per QSO with different continent on
 20/15/10 m; 6 points per QSO with different
 continent on 80/40 m
 Multipliers: Each prefix once
 Score Calculation: Total score = total QSO
 points x total mults
 Submit logs by: 23:59 UTC 18 February 2022
 E-mail logs to: (none)
 Upload log at:
<https://www.cqwprrty.com/logcheck/>
 Mail logs to: (none)
 Find rules at:
<http://www.cqwprrty.com/rules.htm>



Asia-Pacific Spring CW Sprint
 11:00 - 13:00 UTC 12 February
 Geographic Focus: Asia/Pacific
 Participation: Worldwide
 Mode: CW
 Bands: 40, 20 m
 Classes: Single Op Single Radio
 Max power: legal limit in each country
 Exchange: RST and serial no
 Work stations: Once per band
 QSO Points: Asia-Pacific: 1 point per QSO; Non-
 Asia-Pacific: 1 point per QSO with an Asia-
 Pacific station
 Multipliers: Each prefix once
 Score Calculation: Total score = total QSO
 points x total mults
 Submit logs by: 19 February 2022
 E-mail logs to: apsprint@jsfc.org
 Mail logs to: (none)
 Find rules at:
<http://jsfc.org/apsprint/aprule.txt>

SKCC Weekend Sprintathon
 12:00 UTC 12 February to 24:00 UTC 13
 February
 Geographic Focus: Worldwide
 Participation: Worldwide
 Awards: Worldwide
 Mode: CW

Bands: 160, 80, 40, 20, 15, 10, 6 m
 Classes: Single Op - QRP, low or high; Multi-Op
 Exchange: RST, state, province or country.
 name and SKCC no or "NONE"
 Work stations: Once per band
 QSO Points: 1 point per QSO
 Bonus Points: (see rules)
 Multipliers: Each state, province, or country
 once
 Score Calculation: Total score = (total QSO
 points x total mults) and bonus points
 Submit logs by: 20 February 2022
 Post log summary at:
http://www.skccgroup.com/operating_activities/weekend_sprintathon/submit-display.php
 Mail logs to: (none)
 Find rules at:
http://www.skccgroup.com/operating_activities/weekend_sprintathon/



KCJ Topband Contest
 12:00 UTC 12 February to 12:00 UTC 13
 February
 Geographic Focus: Worldwide
 Participation: Worldwide
 Mode: CW
 Bands: 160 m Only
 Classes: Single Op - high or QRP; Multi-Op
 Max power: HP: >5 watts; QRP: 5 watts
 Exchange: JA: RST and Prefecture or District
 Code; non-JA: RST and CQ Zone
 QSO Points: JA: 1 point per QSO with JA
 station; JA: 2 points per QSO with non-JA
 station; Non-JA: 2 points per QSO with JA
 station; Non-JA: 1 point per QSO with non-JA
 station
 Multipliers: Each JA prefecture/district; JA:
 Each CQ Zone
 Score Calculation: Total score = total QSO
 points x total mults
 Submit logs by: 15:00 UTC 28 February 2022
 E-mail logs to: 2022toptest@kcj-cw.com

Upload log at: <https://www.kcj-cw.com/contest/?DX>
 Mail logs to: T. Nakamura, #904, 4-6-5
 Nyoidani, Minoh city, Osaka 562-0011, Japan
 Find rules at: <https://www.kcj-cw.com/>

Dutch PACC Contest
 12:00 UTC 12 February to 12:00 UTC 13
 February
 Geographic Focus: The Netherlands
 Participation: Worldwide
 Mode: CW, SSB
 Bands: 160, 80, 40, 20, 15, 10 m
 Classes: SOAB - CW, SSB or mixed - low or high;
 SOAB Mixed QRP; Multi-One Mixed (PA Only);
 Multi-Two Mixed (PA Only); Multi-Unlimited
 Mixed; Single Op Single Band CW; Single Op
 Single Band SSB; Single Op Limited Low Mixed
 Novice Tech (PA); SWL
 Max power: HP: >100 watts; LP: 100 watts;
 QRP: 5 watts
 Exchange: PA: RS(T) and province; non-PA:
 RS(T) and serial no
 Work stations: Once per band per mode
 QSO Points: 1 point per QSO with a PA station
 Multipliers: PA: DXCC countries once per band
 per mode; PA: Call areas once per band per
 mode (see rules); non-PA: PA provinces once
 per band per mode
 Score Calculation: Total score = total QSO
 points x total mults
 Submit logs by: 1 March 2022
 E-mail logs to: pacc@veron.nl
 Upload log at:
<http://server4.veronict.nl:81/WebEditor/app>
 Mail logs to: PACC Contest Manager, c/o
 VERON Central Bureau, PO Box 1166, 6801 BD
 Arnhem, The Netherlands
 Find rules at: <http://pacc.veron.nl/>

YLRL YL-OM Contest
 14:00 UTC 12 February to 02:00 UTC 14
 February
 Geographic Focus: Worldwide
 Participation: Worldwide
 Mode: CW/Digital, SSB
 Bands: All, except WARC
 Classes: (none)
 Max operating hours: 24 hours
 Max power: HP: >100 watts; LP: 100 watts;
 QRP: 5 watts

Exchange: QSO no, RS(T) and section, province or country

Work stations: Once per band per mode

QSO Points: 1 point per QSO

Multipliers: Each section, province, country once per mode; Power factor: x 3 for QRP, x 1.5 for LP

Score Calculation: Total score = total QSO points x total mults x power factor

Submit logs by: 15 March 2022

E-mail logs to: vicepresident@ylrl.org

Mail logs to: Carol J Laferty, 55 E Cardinal Ln, Clearfield, KY 40313, USA

Find rules at: <https://ylrl.org/wp/yl-om-contest/>

OMISS QSO Party

15:00 UTC 12 February to 15:00 UTC 13 February

Mode: SSB

Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single Op

Exchange: RS, state, province or DX and OMISS no if member

Work stations: Once per band

QSO Points: 2 points per QSO with OMISS member; 1 point per QSO with non-member;

Bonus: add 500 points to score if mobile for entire contest

Multipliers: Each US state/DC once; Each VE province once; 1 DX country once; Power: <10 W = x 3, 100 W = x 2, >100 W = x 1

Score Calculation: Total score = (total QSO points x total mults x power mult) and bonus points

Submit logs by: 1 March 2022

E-mail logs to: (none)

Upload log at: <http://www.omiss.net/Facelift/gsoElectronic.php>

Mail logs to: (none)

Find rules at: <http://www.omiss.net/Facelift/gsoparty.php>

RSGB 1,8 MHz Contest

19:00 - 23:00 UTC 12 February

Mode: CW

Bands: 160 m Only

Classes: Single Op – UK or Overseas – assisted or unassisted

Max power: 400 watts

Exchange: UK: RST, serial no and District Code; non-UK: RST and serial no

QSO Points: 2 points per QSO; 5 additional points for first QSO with each UK district; UK stations: 5 additional points for first QSO with each country outside of UK

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 23:59 UTC 13 February 2022

Upload log at: <http://www.rsgbcc.org/cgi-bin/hfenter.pl>

Mail logs to: (none)

Find rules at: <https://www.rsgbcc.org/hf/rules/2022/r160m.shtml>



Balkan HF Contest

13:00 - 17:00 UTC 13 February

Mode: CW, SSB

Bands: 80, 40 m

Classes: Category A; Category B

Max power: Cat A: 1 000 W input; Cat B: 10 W input

Exchange: RS(T) and QSO no

Work stations: Once per band

QSO Points: 1 point per QSO with category A; 2 points per QSO with category B

Multipliers: Each Balkan prefix once per band

Score Calculation: Total score = (total 80 m QSO points x total 80 m mults) and (total 40 m QSO points x total 40 m mults)

Submit logs by: 20 February 2022

E-mail logs to: bfra_hq@hotmail.com with copy to panayotdanev@yahoo.com

Mail logs to: (none)

Find rules at: https://arabih.ba/index.php?option=com_content&view=article&id=658:seventh-balkan-hf-contest-2020&catid=30&Itemid=466

PODXS 070 Club Valentine Sprint

00:00 - 23:59 UTC 14 February
 Geographic Focus: Worldwide
 Participation: Worldwide
 Mode: PSK31
 Bands: 160, 80, 40 m
 Classes: OM (QRP/LP/MP/HP); YL (QRP/LP/MP/HP)
 Max operating hours: 6
 Max power: HP: 100 watts; MP: 50 watts; LP: 25 watts; QRP: 5 watts
 Exchange: Name, OM or YL and state, province or country
 Work stations: Once per band
 QSO Points: 1 point per QSO with OM; 2 points per QSO with YL
 Multipliers: Each state, province and DXCC country once only
 Score Calculation: Total score = total QSO points x total mults
 Submit logs by: 21 February 2022
 E-mail logs to: (none)
 Upload log at: <http://hamclubs.info/scorer/>
 Mail logs to: (none)
 Find rules at: <http://www.podxs070.com/o7o-club-sponsored-contests/valentine-sprint>



K1USN Slow Speed Test
 00:00 - 01:00 UTC 14 February
 Geographic Focus: Worldwide
 Participation: Worldwide
 Mode: CW
 Bands: 160, 80, 40, 20, 15, 10 m
 Classes: Single Op - QRP, low or high
 Max power: HP: >100 watts; LP: 100 watts; QRP: 5 watts
 Exchange: Maximum 20 wpm - Name and state, province or country
 Work stations: Once per band
 QSO Points: 1 point per QSO
 Multipliers: Each state, province or country once per band; W/VE do not count as country mults

Score Calculation: Total score = total QSO points x total mults
 Submit logs by: 23:59 UTC 16 February 2022
 Post log summary at: <http://www.3830scores.com>
 Mail logs to: (none)
 Find rules at: <http://www.k1usn.com/sst.html>

CQC Winter QSO Party
 01:00 - 02:59 UTC 14 February
 Geographic Focus: Worldwide
 Participation: Worldwide
 Mode: CW
 Bands: 80, 40, 20 m
 Classes: (none)
 Max power: 5 watts
 Exchange: RST and state, province or country
 Work stations: Once per band
 QSO Points: 1 point per QSO; Bonus: 5 points per QSO with W0CQC or N0CQC
 Multipliers: (none)
 Score Calculation: Total score = total QSO points
 Submit logs by: 15 March 2022
 E-mail logs to: vkumagai@q.com
 Mail logs to: (none)
 Find rules at: <http://www.coloradoqrpclub.org/contests/winter.htm>

4 States QRP Group Second Sunday Sprint
 01:00 - 03:00 UTC 14 February
 Geographic Focus: North America
 Participation: Worldwide
 Mode: CW, SSB
 Bands: 160, 80, 40, 20, 15, 10 m
 Classes: Single Op
 Max power: CW: 5 watts, SSB: 10 watts
 Exchange: Member: RS(T), state, province or country and member no; Non-member: RS(T), state, province or country and power
 Work stations: Once per band
 QSO Points: 1 point per QSO with non-member; 2 points per QSO with member
 Multipliers: (none)
 Score Calculation: Total score = total QSO points
 Submit logs by: 16 February 2022
 E-mail logs to: (none)
 Post log summary at: <http://qrpcontest.com/4sqrp>

Mail logs to: (none)

Find rules at:

http://www.4sqr.com/SSS/sss_rules.pdf

ARRL School Club Roundup

13:00 UTC 14 February to 23:59 UTC 18 February

Geographic Focus: Worldwide

Participation: Worldwide

Mode: CW, Phone, RTTY/Digital

Bands: All, except 60, 30, 17, 12 m

Classes: Single Op (I); Non-School Club (C);

School Club/Group (S)

Max operating hours: 24 hours total; 6 hours out of any 24-hour period with off times of at least 10 minutes

Exchange: RS(T), Class (I/C/S) and state, province or country

Work stations: Once per mode

QSO Points: 1 point per phone QSO; 2 points per CW/RTTY/digital QSO

Multipliers: States and VE provinces and DXCC countries and (2 x class C QSOs) and (5 x class S QSOs)

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 23:59 UTC 5 March 2022

Post log summary at:

<http://contests.arrl.org/arrlscrscoresubmission.php>

Mail logs to: School Club Roundup, c/o LIMARC, PO Box 392, Levittown, NY 11756, USA

Find rules at: <http://www.arrl.org/school-club-roundup>

OK1WC Memorial (MWC)

16:30 - 17:29 UTC 14 February

Geographic Focus: Worldwide

Participation: Worldwide

Mode: CW

Bands: 80, 40 m

Classes: Single Op All Band - QRP or low; Single Op Single Band - QRP or low

Max power: LP: 100 watts; QRP: 5 watts

Exchange: RST and serial no

Work stations: Once per band

QSO Points: 1 point per QSO

Multipliers: Each last character of worked station call suffix once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 06:00 UTC February 18, 2022

E-mail logs to: (none)

Upload log at: <https://memorial-ok1wc.cz/index.php?page=logs>

Mail logs to: (none)

Find rules at: <https://memorial-ok1wc.cz/index.php?page=rules2l>



Next Week's Contests

ARRL School Club Roundup, 13:00 UTC 14 February to 23:59 UTC 18 February

Worldwide Sideband Activity Contest, 01:00 - 01:59 UTC 15 February

RTTYOPS Week Sprint, 17:00 - 19:00 UTC 15 February

QRP Fox Hunt, 02:00 - 03:30 UTC 16 February

Phone Weekly Test, 02:30 - 03:00 UTC 16 February

A1Club AWT, 12:00 - 13:00 UTC 16 February

CWops Test, 13:00 - 14:00 UTC and 19:00 - 20:00 UTC 16 February and 03:00 - 04:00 UTC and 07:00 - 08:00 UTC 17 February

Mini-Test 40, 17:00 - 17:59 UTC 16 February

Mini-Test 80, 18:00 - 18:59 UTC 16 February

AGCW Semi-Automatic Key Evening, 19:00 - 20:30 UTC 16 February

RSGB 80 m Data Club Championship, 20:00 - 21:30 UTC 16 February

Walk for the Bacon QRP Contest, 00:00 - 01:00 UTC 17 February and 02:00 - 03:00 UTC 18 February

RTTYOPS Week Sprint, 17:00 - 19:00 UTC 17 February
 EACW Meeting, 19:00 - 20:00 UTC 17 February
 NTC QSO Party, 19:00 - 20:00 UTC 17 February
 NCCC RTTY Sprint, 01:45 - 02:15 UTC 18 February
 QRP Fox Hunt, 02:00 - 03:30 UTC 18 February
 NCCC Sprint Ladder, 02:30 - 03:00 UTC 18 February
 K1USN Slow Speed Test, 20:00 - 21:00 UTC 18 February
 ARRL International DX CW Contest, 00:00 UTC 19 February to 24:00 UTC 20 February
 Russian PSK WW Contest, 12:00 UTC 19 February to 11:59 UTC 20 February
 Feld Hell Sprint, 19:00 - 20:59 UTC 20 February
 FISTS Sunday Sprint, 21:00 - 23:00 UTC 20 February
 Run for the Bacon QRP Contest, 23:00 UTC 20 February to 01:00 UTC 21 February
 K1USN Slow Speed Test, 00:00 - 01:00 UTC 21 February
 OK1WC Memorial, 16:30 - 17:29 UTC 21 February
 Worldwide Sideband Activity Contest, 01:00 - 01:59 UTC 22 February
 RTTYOPS Week Sprint, 17:00 - 19:00 UTC 22 February

Items used with acknowledgement to the ARRL Letter, the ARRL DX News, the ARRL Contest
 Update, OPDX Bulletin, 425 DX Bulletin, DXNL Newsletter, WIA-News, Southgate ARC News
 and the Amateur Radio Newsletter